

# EAST Search History - DRC-12/17/07

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	547	(drainage retention) and papermaking and (starch polysaccharide) and (cationic cationized) and (quaternary amonium) and (aromatic benzyl phenyl)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:25
L2	1404	"I2" and cellulose\$2 and filler	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:25
L3	329	I1 and cellulose\$2 and filler	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:26
L4	233	I3 and (silica silicate polysilicate sol)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:26
L5	142	I4 and polyacrylamide	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:26
L6	39	I5 and (naphthalene adj sulfonate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:26
L7	101	I5 and((cationic cationized) with (starch polysaccharide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:26
S1	39	("2876217" "3422087" "4070236" "4388150" "4687519" "4755259" "4785087" "4927498" "4954220" "4961825" "4980025" "4981958" "5116967" "5127994" "5129989" "5176891" "5277764" "5368833" "5447604" "5463127" "5470435" "5538596" "5543014" "5571494" "5573674" "5584966" "5603805" "5607552" "5643414" "5688482" "5707493" "5733414" "5755930" "5827372" "5858174" "6033524" "6103885").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 13:25
S2	4512	(162/164.1,165,168.3,181.6,175,178,183,158).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/01 12:59
S3	4899	(162/164.1,165,168.3,181.6,175,178,183,158).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/01 13:01

## EAST Search History

S4	4784	((106/217.7) or (564/292) or (527/300,312) or (536/18.7,45,50,102,111,119)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/01 13:00
S5	0	cationi\$1ed and polysaccharide and aromatic and (non-aromatic or "non aromatic") and (quaternary or ammonium) and silica\$3 and (drainage or retention or "dry strength")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 13:05
S6	0	cationi\$1ed and polysaccharide and aromatic and (non-aromatic or "non aromatic") and (quaternary or ammonium) and (drainage or retention or "dry strength")	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 13:05
S7	2	cationi\$1ed and polysaccharide and aromatic and (non-aromatic or "non aromatic") and (quaternary or ammonium)	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/01 13:06
S8	7	cationi\$1ed and (starch or guar) and aromatic and (non-aromatic or "non aromatic") and (quaternary or ammonium)	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 07:24
S9	1	wo-9955964-\$.did.	EPO; DERWENT	OR	ON	2005/09/06 10:31
S10	1	wo-9955965-\$.did.	EPO; DERWENT	OR	ON	2005/09/06 12:21
S11	0	wo-0212626-\$.did.	EPO; DERWENT	OR	ON	2005/09/06 12:22
S12	1	wo-200212626-\$.did.	EPO; DERWENT	OR	ON	2006/11/01 10:27
S13	0	("4980025,5368833,5603805,5607552,5858174,20020139502").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/06 10:32
S14	0	"4980025,5368833,5603805,5607552,5858174,20020139502"	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 10:32
S15	11	((("4980025") or ("5368833") or ("5603805") or ("5607552") or ("5858174") or ("20020139502"))).PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/06 10:33
S16	1	("20020139502").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/06 10:33

## EAST Search History

S17	776	drainage and retention and cationic and anionic and quatern\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 10:52
S18	255	process and (paper or cellulosic) and (cationic near2 polysaccharide) and aromatic and (non\$1aromatic or alk\$2yl) and quatern\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/15 08:03
S19	5	(cationi\$3 near3 starch) with aromatic with (non adj aromatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/01 10:31
S20	123	(cationi\$3 near3 (starch or polysaccharide)) and ((dimethyl adj benzyl adj ammonium) or (dimethylbenzyl adj ammonium)) and (trimethyl adj ammonium)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/01 11:00
S21	10	S20 and papermaking	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/01 10:59
S22	7	(cationi\$3 near3 (starch or polysaccharide)) with (non adj aromatic)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/01 10:59
S23	10	(cationi\$3 near3 (starch or polysaccharide)) with (non adj aromatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/01 11:02
S24	124	(cationi\$3 near3 (starch or polysaccharide)) and ((dimethyl adj benzyl adj ammonium) or (dimethylbenzyl adj ammonium)) and (trimethyl adj ammonium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/01 11:00
S25	11	(cationi\$3 near3 (starch or polysaccharide)) with (no adj aromatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/01 11:03
S26	2	S25 not S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/01 11:04
S27	23	(((((cationic or cationized) near4 (starch or polysaccharide))) with (aromatic or phenyl or benzyl)) and papermaking and (retention or drainage or strength)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/01 12:39

## EAST Search History

S28	26	(((((cationic or cationized) near4 (starch or polysaccharide)))) with (aromatic or phenyl or benzyl)) and papermaking and (retention or drainage or strength)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/01 12:40
S29	16	starch and (aromatic adj substitution) and (cationic adj substitution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/01 12:40
S30	2	((("4687519") or ("5463127"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:41
S31	2	WO-9424169-\$.did.	EPO; DERWENT	OR	ON	2006/11/01 12:41
S32	1	("6103885").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:42
S33	9	(process with making or production with paper) and (starch or polysaccharide) and (cationic with aromatic) and (no adj aromatic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/02 13:16
S34	10	(process with making or production with paper) and (starch or polysaccharide) and (cationic with aromatic) and (no adj aromatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 13:16
S35	6	(paper) and (starch or polysaccharide) and (cationic with aromatic) and (without adj aromatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 13:17
S36	1	("4785087").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/02 13:17
S37	12	("4332935"   "4452978"   "4464528").PN. OR ("4785087").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/02 13:18
S38	349	amphoteric adj (polysaccharide or starch)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/05/02 13:18
S39	89	S38 and benzyl	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/05/02 13:18

## EAST Search History

S40	18	S38 and ((starch or polysaccharide) with aromatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/05/02 13:21
S41	670	(hydroxypropyltri\$4ylammonium or hydroxypropyltri\$4yl)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/05/02 13:22
S42	720	(hydroxypropyltri\$4ylammonium or hydroxypropyltri\$4yl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 13:22
S43	72	("N-benzyl-N,N-dimethyl" or "N-benzyl-N,N-dimethylammonium" or "3-chloro-2-hydroxypropyl-N-benzyl-N,N-dimethyl")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 13:22
S44	0	S42 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 13:23
S45	35	S43 and (starch or polysaccharide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 13:23